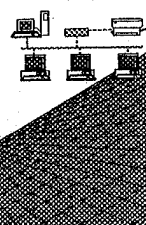


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/033,195A
Source: OPE
Date Processed by STIC: 10/3/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/033,195A
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:29

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw

3 <110> APPLICANT: Fodor, Stephen P.A.
 4 Stryer, Lubert
 5 Read, J. Leighton
 6 Pirrung, Michael C.
 8 <120> TITLE OF INVENTION: Nucleotides and Analogs Having
 9 Photoremovable Protecting Groups
 11 <130> FILE REFERENCE: 2719.2002-001
 13 <140> CURRENT APPLICATION NUMBER: 10/033,195A
 14 <141> CURRENT FILING DATE: 2001-12-28
 16 <150> PRIOR APPLICATION NUMBER: 09/465,126
 17 <151> PRIOR FILING DATE: 1999-12-17
 19 <150> PRIOR APPLICATION NUMBER: 09/063,933
 20 <151> PRIOR FILING DATE: 1998-04-21
 22 <150> PRIOR APPLICATION NUMBER: 08/466,632
 23 <151> PRIOR FILING DATE: 1995-06-06
 25 <150> PRIOR APPLICATION NUMBER: 08/390,272
 26 <151> PRIOR FILING DATE: 1995-02-16
 28 <150> PRIOR APPLICATION NUMBER: 07/624,120
 29 <151> PRIOR FILING DATE: 1990-12-06
 31 <150> PRIOR APPLICATION NUMBER: 07/492,462
 32 <151> PRIOR FILING DATE: 1990-03-07
 34 <150> PRIOR APPLICATION NUMBER: 07/362,901
 35 <151> PRIOR FILING DATE: 1989-06-07
 37 <150> PRIOR APPLICATION NUMBER: 08/456,887
 38 <151> PRIOR FILING DATE: 1995-06-01
 40 <150> PRIOR APPLICATION NUMBER: 07/954,646
 41 <151> PRIOR FILING DATE: 1992-09-30
 43 <150> PRIOR APPLICATION NUMBER: 07/850,356
 44 <151> PRIOR FILING DATE: 1992-03-12
 46 <160> NUMBER OF SEQ ID NOS: 20
 48 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 50 <210> SEQ ID NO: 1
 51 <211> LENGTH: 5
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: Peptide sequence
 60 <400> SEQUENCE: 1
 61 Tyr Gly Gly Phe Leu
 62 1 5
 65 <210> SEQ ID NO: 2
 66 <211> LENGTH: 5
 67 <212> TYPE: PRT

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

↑
must explain genetic source
See error summary sheet item 11

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:29

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw

68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Peptide sequence

73 <400> SEQUENCE: 2
74 Pro Gly Gly Phe Leu
75 1 5

78 <210> SEQ ID NO: 3
79 <211> LENGTH: 6
80 <212> TYPE: PRT

81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Peptide sequence

86 <400> SEQUENCE: 3
87 Tyr Gly Ala Phe Leu Ser
88 1 5

91 <210> SEQ ID NO: 4
92 <211> LENGTH: 5
93 <212> TYPE: PRT

94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Peptide sequence

99 <400> SEQUENCE: 4
100 Tyr Gly Ala Phe Ser
101 1 5

104 <210> SEQ ID NO: 5
105 <211> LENGTH: 5
106 <212> TYPE: PRT

107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Peptide sequence

112 <400> SEQUENCE: 5
113 Tyr Gly Ala Phe Leu
114 1 5

117 <210> SEQ ID NO: 6
118 <211> LENGTH: 6
119 <212> TYPE: PRT

120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Peptide sequence

125 <400> SEQUENCE: 6
126 Tyr Gly Gly Phe Leu Ser
127 1 5

130 <210> SEQ ID NO: 7
131 <211> LENGTH: 4
132 <212> TYPE: PRT

133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Peptide sequence

138 <400> SEQUENCE: 7

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:29

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw

139 Tyr Gly Ala Phe
140 1
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 5
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Peptide sequence
151 <400> SEQUENCE: 8
152 Tyr Gly Ala Leu Ser
153 1 5
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 5
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Peptide sequence
164 <400> SEQUENCE: 9
165 Tyr Gly Gly Phe Ser
166 1 5
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 4
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Peptide sequence
178 <400> SEQUENCE: 10
179 Tyr Gly Ala Leu
180 1
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 6
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Peptide sequence
193 <400> SEQUENCE: 11
194 Tyr Gly Ala Phe Leu Phe
195 1 5
198 <210> SEQ ID NO: 12
199 <211> LENGTH: 5
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Peptide sequence
206 <400> SEQUENCE: 12
207 Tyr Gly Ala Phe Phe
208 1 5
211 <210> SEQ ID NO: 13
212 <211> LENGTH: 5

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:29

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw

213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Peptide sequence
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220 Tyr Gly Gly Leu Ser
221 1 5
224 <210> SEQ ID NO: 14
225 <211> LENGTH: 6
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Peptide sequence
232 <400> SEQUENCE: 14
233 Tyr Gly Ala Phe Ser Phe
234 1 5
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 7
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Peptide sequence
245 <400> SEQUENCE: 15
246 Tyr Gly Ala Phe Leu Ser Phe
247 1 5
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 6
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: Peptide sequence
258 <400> SEQUENCE: 16
259 Tyr Gly Ala Phe Met Gln
260 1 5
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 5
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Peptide sequence
271 <400> SEQUENCE: 17
272 Tyr Gly Ala Phe Met
273 1 5
276 <210> SEQ ID NO: 18
277 <211> LENGTH: 5
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Peptide sequence

RAW SEQUENCE LISTING

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:29

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw

284 <400> SEQUENCE: 18
285 Tyr Gly Ala Phe Gln
286 1 5
289 <210> SEQ ID NO: 19
290 <211> LENGTH: 5
291 <212> TYPE: PRT
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Peptide sequence
297 <400> SEQUENCE: 19
298 Tyr Gly Gly Phe Met
299 1 5
302 <210> SEQ ID NO: 20
303 <211> LENGTH: 4
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Peptide sequence
311 <400> SEQUENCE: 20
312 Gly Gly Phe Leu
313 1

VERIFICATION SUMMARY

DATE: 10/03/2002

PATENT APPLICATION: US/10/033,195A

TIME: 16:19:30

Input Set : A:\2719.2002-001.txt

Output Set: N:\CRF4\10032002\J033195A.raw